

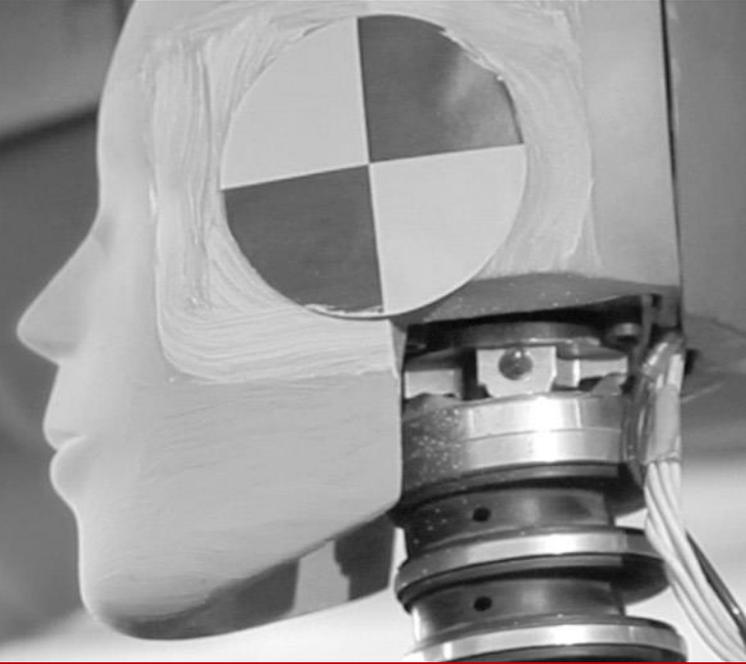
National Highway Traffic Safety Administration



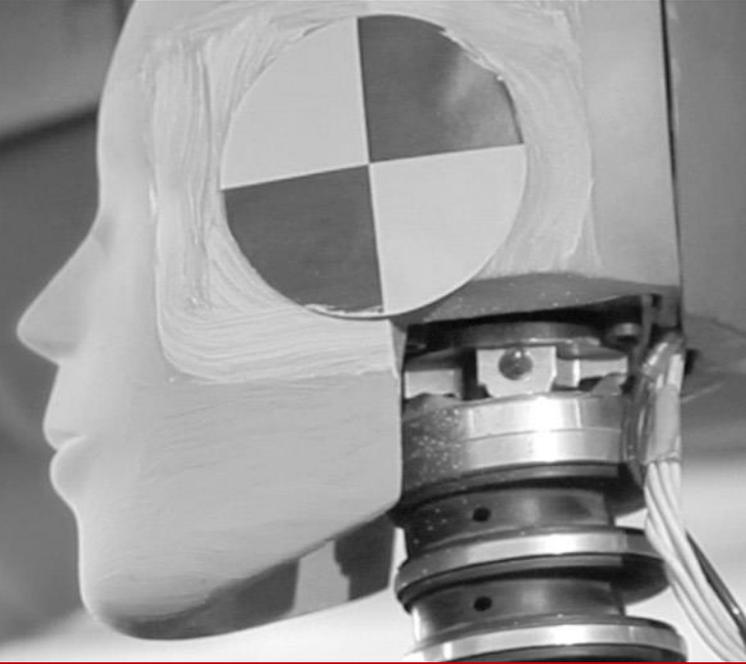
Maryland Older Driver Safety Symposium

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Lives Saved By Vehicle
Safety Technologies and
Associated Federal Motor
Vehicle Safety Standards
1960-2012



Or . .We've Come a Long Way, Baby! .

National Highway Traffic Safety Administration

MISSION: NHTSA is responsible for reducing deaths, injuries and economic losses resulting from motor vehicle crashes.



Highway Safety – Current Trends

- Occupant Protection - 87% usage rate in the US
- Impaired Driving – 20 years flat trend line; increased ~5% in 2012
- Pedestrians, Bicyclists, Motorcyclists, Large Trucks occupants – increased for 3rd consecutive year (6, 6.5, 7, 9% over 2011)
- Distracted driving, nighttime belt use, drugged driving and aggressive driving - challenges

They Just Don't Build Them Like They Used To



1959 Chevrolet Bel Air

Safer cars. Safer Drivers. Safer roads.

Be Darned Glad They Don't!



Vehicular Safety Improvements 1955 to 2012



56% fewer fatalities in a Model Year 2012 car/LTV than in a Model Year 1960 car/LTV, given the same exposure

What A Difference 50 Years Makes!

27,621 lives saved in 2012 can be attributed to individual technologies:

- 15,485 - seat belts
- 2,930 - frontal air bags
- 2,407 - energy absorbing steering columns
- 1,362 - Electronic Stability Control
Will increase in the future: in 2012, only 21% of the vehicles on the road were ESC-equipped
- 1,512 - side impact protection
Curtain & side air bags, structure, padding



What A Difference 50 Years Makes!

- 1,350 - interior impact protection
Head impact upgrade; voluntary improvements to middle & lower instrument panels
- 1,127 - door locks, latches, and hinges
- 482 - dual master cylinders/disc brakes
- 357- child safety seats
- 271 - adhesive windshield bonding



What A Difference 50 Years Makes!

- 161 - conspicuity tape on heavy trailers
 - Helps car/LTV drivers avoid striking the trailers
- 122 - roof crush resistance
 - 9/1/1973 standard; recent upgrade not yet evaluated
- 43 - curtains that deploy in rollovers
- 9 - fuel system integrity – rear impact



You DO Make a Difference!

- From 1960 to 2012, **329,715** lives have been saved by seat belts alone.
- Progress in vehicle safety (and in overall traffic safety) from 1960 to 2012 is comparable to progress in reducing death (before age 70) from heart disease, cancer, and other diseases



So how is MD doing? The GREAT news...

- From 2004 to 2008, an average of 623 people lost their lives on MD roadways each year; from 2009 to 2013, that number was reduced to an average of 501.
- MD's fatality rate per 100 Million VMT has been reduced from 1.11 to 0.89.
- In 2014, MD's observed seat belt use rate was 92.1% — and has been above 90% for the first past 10 years!



The Great News, cont'd.

- Again, comparing five-year averages (2004-2008 with 2009-2013), your occupant fatalities have gone from an average of 409 to 306.
- Alcohol impaired driving fatalities: 178 to 157
- Speeding related fatalities: 222 vs. 168
- Young driver fatalities: 103 vs. 62
- Motorcyclist fatalities: 74 vs. 64



The Not-So-Great News

Where we need to work a little harder:

- Pedestrian and bicyclist fatalities:
 - Pedestrians: 105 vs. 105
 - Bicyclists: 8 vs. 7
- USDOT/NHTSA can help:
 - Strong Agency support
 - Pedestrian Assessments
 - Mayor's Challenge



Thank you



United States Department of Transportation
National Highway Traffic Safety Administration
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Safer cars. Safer Drivers. Safer roads.

